

ArmourGuard EPX™

Industrial Lithium Micro-Coating



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PRODUCT APPLICATION

Proper surface preparation and product application is essential to product performance. For optimum results, please read instructions in full and contact our Technical Support department at +61 (0)411 248 for additional customized instructions prior to application. For enhanced performance, we recommend the application of one of the following **DuraGloss™** formulations following the application of **ArmourGuard EPX™**, using the optional instructions provided below:

DuraGloss 50+™	Interior Surfaces/High Gloss/24-hour Cure Time
DuraGloss 30+™	Interior Surfaces/Satin Finish/72-hour Cure Time
DuraGloss EXT™	Exterior Surfaces/Matte-Satin Finish/2-hour Cure Time

NOTE: *When applied to surface, color may vary from SealSource® brochures or website.
It is recommended to apply a physical sample prior to treatment.*

Equipment Needed for Application

- Mechanical mixer or paint-mixing tool mounted in a drill motor
- Mechanical sprayer
- 100% polyester microfiber pads
- SealSource® diamond-impregnated pads
- Floor burnisher (minimum of 1500 RPMs)

Surface Preparation

ALLOW NEW CONCRETE TO CURE FOR A MINIMUM OF 14 DAYS PRIOR TO APPLICATION.

1. Patch or fill any cracks or other surface damage.
2. Remove any membrane-forming materials, dirt, debris, wax, paint, curing compounds, coatings, or other surface contaminants that may interfere with penetration or adhesion.
3. Apply a test sample to a small area to assess adhesion.
4. To allow proper penetration create a rough surface profile using shot blast, diamond grinding to a 70 resin grit level, acid etch or similar. Sweep and scrub surface with water, using a neutralizing agent if chemical preparation has been used.

5. Sweep area to be treated and scrub clean with water to remove any remaining contaminants, dirt, and dust caused by grinding. Allow surface to dry completely prior to application.

Product Application

Please note that coverage rates may vary depending on surface porosity, extreme temperatures, or humidity. Additional applications may be necessary to achieve desired results. *(If applying **ArmourGuard EPX™** with **DuraGloss™**, please see alternate instructions indicated below.)*

1. Agitate **ArmourGuard EPX™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer, spray out material at 5 m² per liter (200 sq/ft per gallon).
3. Allow material to dry for 30 minutes before opening to foot traffic and one hour for forklift traffic.

Product Application (ArmourGuard EPX™ with DuraGloss™)

Please note that coverage rates may vary depending on surface porosity, extreme temperatures, or humidity. Additional applications may be necessary to achieve desired results.

Interior Surfaces

1. Agitate **ArmourGuard EPX™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer with an approximate tip size of .15-.17, spray out material at approximately 5 m² per liter (200 sq/ft per gallon).
3. Allow surface to dry for a minimum of 1 hour or until dry to the touch, then spray on a consistent application of **DuraGloss 50+™** or **DuraGloss 30+™** at approximately 40 m² per liter (1,500 sq/ft per gallon).
4. Wet out a 100% polyester microfiber applicator pad with the material to avoid streaking, then spread material evenly over surface to achieve a consistent, wet appearance. (If the material appears to be streaking, spray on additional material. If the material has a blue, milky/cloudy appearance, continue to pull out material until it no longer appears blue.)
5. When surface is dry, burnish with SealSource® diamond-impregnated pads using a high-speed floor burnisher (minimum of 1,500 RPMs).
6. Apply a second application of **DuraGloss™** as above and burnish when surface is dry. Keep surface dry for the minimum cure time recommended by manufacturer to allow material to cure properly. For best results, immediately wipe up spills and do not allow puddles or standing water to accumulate on the surface for a minimum of 7 days.

Exterior Surfaces

1. Agitate **ArmourGuard EPX™** with a mechanical mixer to ensure color uniformity.
2. Using a low-pressure, pump-up, airless, backpack, or mechanical sprayer, spray out material at approximately 5 m² per liter (200 sq/ft per gallon).
3. Allow surface to dry for a minimum of 2 hours until dry to the touch, then spray on a consistent application of **DuraGloss EXT™** at approximately 10 m² per liter (400 sq/ft per gallon).

4. Wet out a 100% polyester microfiber applicator pad with the material to avoid streaking, then spread material evenly over surface to achieve a consistent, wet appearance. (If the material appears to be streaking, spray on additional material. If the material has a blue, milky/cloudy appearance, continue to pull out material until it no longer appears blue.)
5. When surface is dry, apply a second application of **DuraGloss EXT™** as above.
6. Keep surface dry for 1-2 hours following treatment to allow material to cure properly.

Application in Extreme Temperatures / High Humidity

Apply materials as above, increasing cure time to up to four hours prior to applying **DuraGloss™**. Surface may take up to 14 days to achieve maximum performance under conditions of extreme temperature or humidity.

Product Disclaimers

ArmourGuard EPX™ will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces.

Do not allow **ArmourGuard EPX™** to come in contact with any glass, fabric, metal, or surfaces that are not going to be treated with **ArmourGuard EPX™**. Immediately wipe contaminated surfaces with a clean, water-saturated cloth, then wipe dry with a second clean cloth.

Do not allow traffic until surface is completely dry.

The fast-drying and extremely durable bonding characteristics of **ArmourGuard EPX™** and **DuraGloss™** will permanently bond to a variety of surfaces and is extremely difficult to remove once cured. It is strongly recommended that areas which could be affected by splatters, splashes, or overspray be masked and protected prior to treatment.

Application and coverage rates are estimated and may vary depending on the porosity of substrate, the desired intensity of color and shine, and environmental conditions present during application (such as extreme temperatures or high humidity). For precise coverage rates, a pre-application field test should be performed.

It is highly recommended that the installer contact our Technical Support department at +61 (0)411 248 for customized instructions prior to application. Proper application is the responsibility of the user.

DO NOT ALLOW SEALSOURCE® PRODUCTS TO FREEZE